FORM PTO-1390 U.S. DEPAR (REV 10-2000)	EXDITION FOR THE PATENT AND TRADEMARK OFFICE	1 No. EL656265685US ATTORNEY'S DOCKET NUMBER			
TRANSMITTAL LETTER TO THE UNITED STATES		148/291			
	ED OFFICE (DO/EO/US)	U.S. APPLICATION NO. (If known, see 37 CFR 1.5)			
	NG UNDER 35 U.S.C. 371	10/049256			
INTERNATIONAL APPLICATION NO. PCT/GB99/02439	INTERNATIONAL FILING DATE August 9, 1999	PRIORITY DATE CLAIMED August 9, 1999			
TITLE OF INVENTION FINGER PRO	OTECTOR DEVICE				
APPLICANT(S) FOR DO/EO/US GARVE	EY, Frank Joseph				
Applicant herewith submits to the United State	es Designated/Elected Office (DO/EO/US) the follo	wing items and other information:			
1. X This is a FIRST submission of item	ns concerning a filing under 35 U.S.C. 371.				
	NT submission of items concerning a filing under				
	tly begin national examination procedures (35 U.S				
{ s.p. }	iration of 19 months from the priority date (PCT A	Article 31).			
or the international App	lication as filed (35 U.S.C. 371(c)(2))				
	ired only if not communicated by the Internat d by the International Bureau.	tional Bureau).			
nas ceen communicated	pplication was filed in the United States Recei	iving Office (RO/IIS)			
6. An English language translation	of the International Application as filed (35 U	J.S.C. 371(c)(2)).			
7. X Amendments to the claims of the	e International Application under PCT Article	e 19 (35 U.S.C. 371(c)(3))			
	uired only if not communicated by the Interna	ational Bureau).			
	ed by the International Bureau.				
	owever, the time limit for making such amendr	ments has NOT expired.			
d. X have not been made and					
9. An oath or declaration of the inv	of the amendments to the claims under PCT	Article 19 (35 U.S.C. 371(c)(3)).			
PCT Article 36 (35 U.S.C. 371(c		y Examination Report under			
Items 11 to 16 below concern document					
	ment under 37 CFR 1.97 and 1.98.				
[ <del></del> ]	ording. A separate cover sheet in compliance	with 37 CFR 3.28 and 3.31 is included.			
13. X A FIRST preliminary amendmen					
A SECOND or SUBSEQUENT preliminary amendment.					
14. A substitute specification.	14. A substitute specification.				
15. A change of power of attorney and/or address letter.					
16. X Other items or information:					
An English language copy of the Inte An Application Data Sheet	ernational Search Report prepared by the Europ	pean Patent Office			
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17.	U.S. APPLICATION NO. (if k	APPLICATION NO. ([Indow]450] CEP 1.5) 6 INTERNATIONAL APPLICATION NO. PCT/GB99/02439				ATTORNEY'S DOCKE	ET NUMBER 8/291
BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5) ):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO	17. X The follows	TOTAL STATE OF THE			CA	•	
USPTO but International Peach Report prepared by the EPO or JPO \$860.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO \$710.00 International preliminary examination fee paid to USPTO \$710.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) \$90.00  International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4)	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482)  nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO						
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but all claims did not satisfy provisions of PCT Article 33(1)-(4)	International p	reliminary examination	fee (37 CFR 1.482) not paid to Ut	SPTO but			
Surcharge of \$130.00 for furnishing the oath or declaration later than on the carliest claimed priority date (37 CFR 1.492(c)).  CLAMS NUMBER FILED NUMBER EXTRA RATE Total claims 16 - 20 = 0	International p but all claims	preliminary examinatio did not satisfy provisio	n fee paid to USPTO (37 CFR 1.4 ns of PCT Article 33(1)-(4)	482) <b>\$690.00</b>			
Surcharge of \$130.00 for furnishing the oath or declaration later than 20		satisfied provisions of	PCT Article 33(1)-(4)	\$100.00			
months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS NUMBER FILED NUMBER EXTRA RATE  Total claims 16 - 20 = 0 0 X \$18.00 \$ 0  Independent claims 1 - 3 = 0 X \$80.00 \$ 0  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$270.00 \$ 280  TOTAL OF ABOVE CALCULATIONS = \$ 1,300  X Applicant claims small entity status. Sec 37 CFR 1.27. The fees indicated above are reduced by 1/2.  Total claims small entity status. Sec 37 CFR 1.27. The fees indicated above are reduced by 1/2.  TOTAL OF ABOVE CALCULATIONS = \$ 1,300  X SUBTOTAL = \$ 650  Processing fee of \$130.00 for furnishing the English translation later than 20 30 \$ 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 +		ENTER APPR	OPRIATE BASIC FEE A	MOUNT =	\$	890	
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Independent claims 1 _ 3 = 0							
MULTIPLE DEPENDENT CLAIM(S) (if applicable) +\$270.00  \$ 280  TOTAL OF ABOVE CALCULATIONS = \$ 1,300  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  SUBTOTAL = \$ 650  Processing fee of \$130.00 for furnishing the English translation later than 20 30 50 months from the earliest claimed priority date (37 CFR 1.492(f)). + TOTAL NATIONAL FEE = \$ 650  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ 0  TOTAL FEES ENCLOSED = \$ 650  Amount to be refunded: charged: \$ \$  a. A check in the amount of \$ 650.00 to cover the above fees is enclosed.  b. Please charge my Deposit Account No. 01-0265 in the amount of \$ 10 cover the above fees. A duplicate copy of this sheet is enclosed.  c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-0265 . A duplicate copy of this sheet is enclosed.  NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO:  Jeffrey J. Schwartz Adams, Schwartz & Evans, P.A. 2180 Two First Union Center Charlotte, North Carolina 28282 Tai: 704/373-9249							
TOTAL OF ABOVE CALCULATIONS = \$ 1,300    Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are re duced by 1/2.    SUBTOTAL   \$ 650					Ė		
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a. A check in the amount of \$\frac{650.00}{1.0265}\$ to cover the above fees is enclosed.  b. Please charge my Deposit Account No. \( \frac{01-0265}{0.10265} \) in the amount of \$\frac{1}{200}\$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. \( \frac{01-0265}{01-0265} \). A duplicate copy of this sheet is enclosed.  NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO:  Jeffrey J. Schwartz  Adams, Schwartz & Evans, P.A.  2180 Two First Union Center  Charlotte, North Carolina 28282  Tel: 704/375-9249					An	refunded:	
b. Please charge my Deposit Account No. 01-0265 in the amount of \$						charged:	<u> </u> \$
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1.137(a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO:  Jeffrey J. Schwartz  Adams, Schwartz & Evans, P.A.  2180 Two First Union Center  Charlotte, North Carolina 28282  Tel: 704/375-9249	c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-0265. A duplicate copy of this sheet is enclosed.						
Jeffrey J. Schwartz Adams, Schwartz & Evans, P.A.  2180 Two First Union Center Charlotte, North Carolina 28282 Tel: 704/375-9249							
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2180 Two First Union Center  Charlotte, North Carolina 28282  Tel: 704/375-9249	1				(RE)	( )	~
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10/049256 EC10RSCHEET/STORGES 20027

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:

**GARVEY** 

INTERNATIONAL

APPLICATION NO.:

PCT/GB99/02439

INTERNATIONAL

FILING DATE:

August 9, 1999

FOR:

FINGER PROTECTOR DEVICE

#### **BOX PCT**

Assistant Commissioner for Patents Washington, D.C. 20231

#### PRELIMINARY AMENDMENT

Sir:

After the assignment of a serial number and prior to the initial examination of the above-identified application, please make the following amendments:

#### **IN THE SPECIFICATION:**

Amend the specification by inserting before the first line on page 1:

--This application is a national stage application, according to Chapter II of the Patent Cooperation Treaty. This application claims the priority date of August 9, 1999 for International Patent Application No. PCT/GB99/02439.--

#### IN THE CLAIMS:

Please cancel claims 1-13 and enter new claims 14 -25, as follows:

- - 14. A finger protector device comprising first, second and third members, the second member being connected between the first and third members by flexible means, the first member is arranged, in use, to be mounted to a first surface and the third APPLICANT: GARVEY, Frank Joseph INT'L. APP. NO.: PCT/GB99/02439 Page 2

member is arranged, in use, to be mounted to a second surface, in which relative movement of the first and second surfaces is possible.

- 15. A finger protector device according to claim 14, in which the flexible means provides a pivotal connection.
- 16. A finger protector device according to claim 14, in which the relative movement of the first and second surfaces creates or close a gap between the surfaces.
- 17. A finger protector device according to claim 14, in which the first surface is a door.
- 18. A finger protector device according to claim 14, in which the second surface is a door frame.
- 19. A finger protector device according to claim 14, in which the first, second and third members are elongate members.
- 20. A finger protector device according to claim 14, in which the first member has a mounting portion connected thereto and is connected by flexible means.
- 21. A finger protector device according to claim 14, in which the third member has a mounting portion connected thereto and is connected by flexible means.

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APPLICANT: GARVEY, Frank Joseph INT'L. APP. NO.: PCT/GB99/02439 Page 3

- 22. A finger protector device according to claim 20 or claim 21, in which the or each mounting portion or portions is or are thicker than the first, second and third members.
- 23. A finger protector device according to claim 20 or claim 21, in which the or each mounting portion or portions is attached to a member by a flexible plastics joint which is pre-biased at about 90° relative to the member to which it or they is or are attached.
- 24. A finger protector device according to claim 20 or claim 21, in which the first and second surfaces may have slots mounted thereto in order to engage the mounting portions of the first and third faces respectively.
- 25. A finger protector device according to claim 20 or claim 21, in which the door frame is connected to a first mounting portion which is pivotally connected to the first member which is pivotally connected to the second member which is pivotally connected to a third member which is pivotally connected to a second mounting portion which is connected to a door, in which the first, second and third members and the first and second mounting portions are all elongate members, and in which the finger protector device has a substantially uniform cross-section along its length.--

#### <u>REMARKS</u>

Pursuant to 37 C.F.R. §1.121(c)(ii), a marked-up copy of the claim amendments is included with this Preliminary Amendment and labeled as "Exhibit A". It is believed that

APPLICANT: GARVEY, Frank Joseph INTL. APP. NO.: PCT/GB99/02439 Page 4

this application is now in condition for allowance. Such action at an early date is respectfully requested.

Respectfully submitted,

Attorney for Applicant Reg. No. 37,532

Jeffrey J. Schwartz ADAMS, SCHWARTZ & EVANS, P.A. 2180 TWO FIRST UNION CENTER CHARLOTTE, N.C. 28282

TEL: (704) 375-9249 FAX: (704) 375-0729

Email: jjs@adamspat.com Our File No. 148/291

AMENDED CLAIMS - MARKED-UP COPY (U.S. National Phase of International Application No. PCT/GB99/02439)

Please cancel claims 1-13.

2/ PRTS

JU10 Rec'd PCT/PTO 0 8 FEB 2002

#### Field of the Invention

5 The invention relates to finger protector devices, especially (but not limited to) finger protector devices for door hinges.

#### Background to the Invention

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Hinge mechanisms for doors and similar openings are generally arranged such that on opening the door a gap is formed between the internal face of the door and the adjacent door frame. On closing the door this gap is inevitably reduced until the door is closed. during closing any objects protruding into the gap are squeezed or trapped. This is a frequent cause of accidents whereby fingers are trapped between the door and adjacent Such accidents can be painful and can result door frame. These accidents can be especially in serious injuries. children. distressing for young commonplace and Furthermore, the use of doors comprising automatic closing means, such as springs, can result in high closing forces.

25 It is an aim of the present invention to overcome or obviate at least one problem associated with the prior art, whether referred to herein or otherwise.

#### Summary of the Invention

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According to the present invention there is provided a finger protector device comprising first, second and third members, the second member being connected between the

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The door frame may be connected to a first mounting portion which is pivotally connected to the first member which is pivotally connected to the second member which is pivotally connected to a third member which is pivotally connected to a second mounting portion which is connected to a door, in which the first, second and third members and the first and second mounting portions are all elongate members, and in which the finger protector device has a substantially uniform cross-section along its length.

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#### Brief Description of the Drawings

The present invention will now be described by way of example only, with reference to the drawings that follow in which:

Figure 1 is a cross-section of a safety device for a door.

20 Figure 2 is a cross-section of a door in a closed position with a safety device attached.

Figure 3 is a cross-section of a door in a partially open position with a safety device attached.

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Figure 4 is a cross-section of a door in an open position with a safety device attached.

### Description of the Preferred Embodiments

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As shown in Figure 1, the cross-section of the safety device 10 is approximately a right angled triangle. However, prior to formation the safety device 10 is

first and third members by flexible means, the first member is arranged, in use, to be mounted to a first surface and the third member is arranged, in use, to be mounted to a second surface, in which relative movement of the first and second surfaces is possible.

The flexible means may provide a pivotal connection.

The relative movement of the first and second surfaces

10 may create or close a gap between the surfaces.

The first surface may be a door. Suitably the second surface is a door frame.

The first, second and third members may be elongate members.

The first member may have a mounting portion connected thereto and suitably connected by flexible means. The third member may have a mounting portion connected thereto and suitably connected by flexible means. The or each mounting portion or portions may be thicker than the first, second and third members. This assists in fixing the device to a door or frame. The or each mounting portion or portions may be attached to a member by a flexible plastics joint which is pre-biased at about 90° relative to the member to which it or they is or are attached.

The first and second surfaces may have slots mounted thereto in order to engage the mounting portions of the first and third faces respectively.

substantially planar. The sides of the safety device 10 are formed from elongate strips of a suitable plastics material. Hinge sections 22, 24 connect the first side 16 to the second side 14 and the third side 12 to the second side 14 respectively. The hinge sections 22, 24 are formed from a flexible material. The use of flexible hinge sections reduce the opportunity of any pinching action which may result from mechanical hinge sections.

Connecting portions 18, 20 are provided to mount the safety device 10 to a door 30 and adjacent frame 32 or wall. The connecting portions 18, 20 are connected to the first and third sides 16, 12 by flexible hinge sections 28, 26 respectively. Connecting portions 18, 20 may be made thicker than sides 12, 14, 16 to assist in mounting. To assist in mounting and in the motion of the device, the flexible joints joining connecting portions 18, 20 to sides, 12, 16 respectively may be pre-biased to about 90°.

In order to mount the safety device 10 to a door 30 and adjacent frame 32 slots (not shown) are initially affixed to the door 30 at an inner position and to an adjacent position on the frame 32, as shown in Figure 2. The safety device 10 can then be mounted by securing the connecting portions 18, 20 in the respective slots (not shown).

Alternatively, and as a preferred option with thicker connecting portions 18, 20 holes (not shown) may be provided in the connecting portions to allow for screw fixing.

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Once mounted the connecting portion 18 will move corresponding to the movement of the door 30 whilst the connecting portion 20 will remain affixed to the frame. The flexible hinge sections 22, 24, 26, 28 enable the safety device 10 to reconfigure according to the relative orientation of the door 30 and the frame 32. As shown in Figure 2, when the door 30 is in a closed position the safety device 10 adopts a right angle triangle cross-Approximations of the cross-sections of the safety device 10 with the door 30 in a partially open position and providing a  $90^{\circ}$  open position are shown in Figure 3 and Figure 4 respectively. It can be seen that at all times during the opening of the door 30 the safety device 10 prevents access to the gap formed between the inner face of the door 30 and the adjacent door frame 32. Therefore, on the subsequent closing of the door 30 there is no opportunity for objects, especially fingers, to be trapped between the door 30 and the frame 32.

The configuration of the safety device 10 also enables the safety device 10 to function during opening angles substantially greater than 90°. The configuration of the safety device 10 also enables the safety device 10 to be mounted on an adjacent frame which is not at a right angle to the door, for example a bevelled frame or a flat frame.

The reader's attention is directed to all papers and documents which are filed concurrently with or previous to this specification in connection with this application and which are open to public inspection with this specification, and the contents of all such papers and documents are incorporated herein by reference.

All of the features disclosed in this specification (including any accompanying claims, abstract and drawings), and/or all of the steps of any method or process so disclosed, may be combined in any combination, except combinations where at least some of such features and/or steps are mutually exclusive.

Each feature disclosed in this specification (including any accompanying claims, abstract and drawings), may be replaced by alternative features serving the same, equivalent or similar purpose, unless expressly stated otherwise. Thus, unless expressly stated otherwise, each feature disclosed is one example only of a generic series of equivalent or similar features.

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The invention is not restricted to the details of the foregoing embodiment(s). The invention extends to any novel one, or any novel combination, of the features disclosed in this specification (including any accompanying claims, abstract and drawings), or to any novel one, or any novel combination, of the steps of any method or process so disclosed.

#### CLAIMS

- A finger protector device comprising first, second and third members, the second member being connected between the first and third members by flexible means, the first member is arranged, in use, to be mounted to a first surface and the third member is arranged, in use, to be mounted to a second surface, in which relative movement of the first and second surfaces is possible.
  - A finger protector device according to Claim 1, in which the flexible means provides a pivotal connection.

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3. A finger protector device according to Claim 1 or Claim 2, in which the relative movement of the first and second surfaces creates or close a gap between the surfaces.

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- 4. A finger protector device according to any preceding claim, in which the first surface is a door.
- 5. A finger protector device according to any preceding claim, in which the second surface is a door frame.
  - 6. A finger protector device according to any preceding claim, in which the first, second and third members are elongate members.

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7. A finger protector device according to any preceding claim, in which the first member has a mounting

portion connected thereto and is connected by flexible means.

- 8. A finger protector device according to any preceding claim in which the third member has a mounting portion connected thereto and is connected by flexible means.
- A finger protector device according to Claim 7 or Claim 8, in which the or each mounting portion or portions is or are thicker than the first, second and third members.
- 10. A finger protector device according to Claim 7 or Claim 8, in which the or each mounting portion or portions is attached to a member by a flexible plastics joint which is pre-biased at about 90° relative to the member to which it or they is or are attached.
- 20 11. A finger protector device according to Claim 7 or Claim 8, in which the first and second surfaces may have slots mounted thereto in order to engage the mounting portions of the first and third faces respectively.

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12. A finger protector device according to Claim 7 or Claim 8, in which the door frame is connected to a first mounting portion which is pivotally connected to the first member which is pivotally connected to the second member which is pivotally connected to a third member which is pivotally connected to a second mounting portion which is connected to a door, in which the first, second and third members and the

first and second mounting portions are all elongate members, and in which the finger protector device has a substantially uniform cross-section along its length.

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13. A finger protector device substantially as described herein with reference to the drawings that follow.



(43) International Publication Date 15 February 2001 (15.02.2001)

**PCT** 

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(71) Applicant (for all designated States except US): FINGER-SHIELD (UK) LIMITED [GB/GB]; The Old School House, Lind Street, Off Cambrain Street, Manchester M40 7ES (GB).

(72) Inventor; and

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- (74) Agents: BRANDON, Paul, Laurence et al.; Appleyard Lees, 15 Clare Road, Halifax, West Yorkshire HX1 2HY (GB).

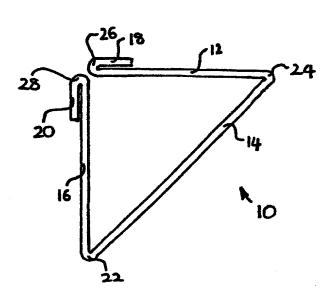
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#### Published:

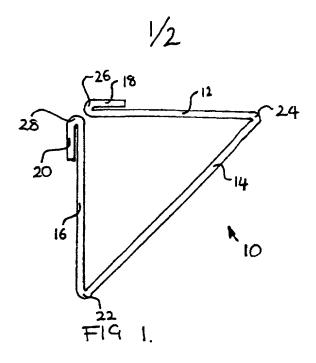
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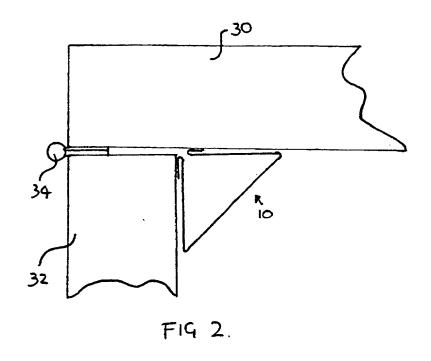
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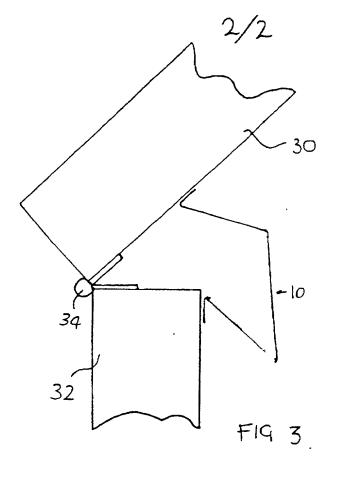
(54) Title: FINGER PROTECTOR DEVICE

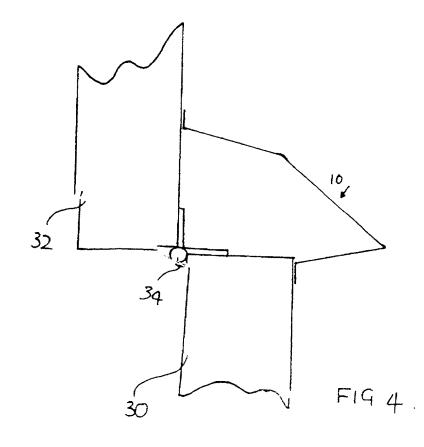


(57) Abstract: The present invention provides finger protector device comprising first (12) second (14) and third (16) members, the second member being connected between the first and third members by flexible means (22, 24), the first member is arranged, in use, to be mounted to a first surface (30) and the third member is arranged, in use, to be mounted to a second surface (32), in which relative movement of the first and second surfaces is possible.









PTC/SB/01 (10-01)
Approved for use through 10/31/2002. OMB 0651-0032
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DECLARATION FOR UTILITY OR DESIGN		Attorney Docket Number First Named Inventor		148/291	
				GARVEY, Frank Joseph	
PATENT APPLICATION COMPLETE IF KNOWN			KNOWN		
(37 CFR 1.6		Application Number 10/049,256			
Declaration XX	Filing Date				
Submitted OR	Submitted after Initial Filing (surcharge	Art Unit			
Cilian	(37 CFR 1.16 (e)) required)	Examiner Name			
My residence, mailing address, and citizenship are as stated below next to my name.  I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:  FINGER PROTECTOR DEVICE					
the specification of which  Is attached hereto	(Titlo of the In	vention)			
OR  was filed on (MM/DD/YYYY)	08/09/1999	as United States A	applica	tion Number or PCT International	
Application Number PCT/GB99/0	02439 and was amende	ed on (MM/DD/YYYY) 0:	2/08	/2002 (ii applicable).	
I hereby state that I have reviewed and	understand the contents o	if the above identified spec	ificatio	n, including the claims, as amended by	

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from the term that the

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant brecder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filling date before that of the application on which priority is

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Cartified Copy A	tached? NO		
:							
Additional foreign application nu	Additional foreign application numbers are listed on a supplemental priority data shoot PTO/SB/02B attached heroto:						

[Page 1 of 2]

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	Application Number	10/049,256
	Filing Date	
10	First Named Inventor	GARVEY, F.
POWER OF ATTORNEY OR		FINGER PROTECTOR DEVICE
AUTHORIZATION OF AGENT	Group Art Unit	
	Examiner Name	
	Attorney Docket Number	148/291

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Assignee of record of the entire Interest. See 37 CFF	D 9.71
Statement under 37 CFR 3.73(b) is enclosed. (Form	
SIGNATURE of Applicant or Ass	signee of Record
Name Frank Toscph Garvey	
Signature	
Date 5 2 2 2 2	
NOTE: Signatures of all the inventors or assignees of record of the entire interforms if more than one signature is required, see below."	erest or their representative(s) are required. Submit multiple
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## **DECLARATION** — Utility or Design Patent Application

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I hereby declare that all statements made herein of my are believed to be true; and further that these statem made are punishable by fine or imprisonment, or both validity of the application or any patent issued thereon.	, under 18 U.S.C. 1	e true and that the knowledg 001 and that su	all statements to that wilful ich willful false	made on information and belief false statements and the like so a statements may joopardize the		
NAME OF SOLE OR FIRST INVENTOR:	A petition	has been file	d for this ur	nsigned inventor		
Frank Joseph Given Name (first and middle [if any])		Family Name	Garvey	1 /		
Inventor's Signature				11/2/2002 Dato		
28 Ryecroft Road, Stretford CBN	. Manches	ter En	gland	British		
Residence: City	State	Cou	etry-	Citizenship		
Same as above						
Mailing Address				'		
manning Addition						
City	State	Z!P		Country		
NAME OF SECOND INVENTOR:			for this un	signed inventor		
Given Name Family Name						
(first and middle [if any]) or Surname						
Inventor's Signature				Date		
Signature			-			
		eq.	- måvta	Citizenship		
Residence: City State Country Citizenship						
Mailing Address						
City	State	ZIP		Country		
Additional inventors are being named on the	_supplemental Ad-	ditional Inventor	(s) sheet(s) P	TO/SB/02A attached hereto.		

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